

DOUBLE POLE CIRCUIT BREAKER AND SWITCH SYSTEM
FOR A TRANSFER SWITCH

ABSTRACT OF THE DISCLOSURE

A transfer switch for selectively connecting an auxiliary power source,

5 such as a standby generator, to selected circuits of a building, includes double pole circuit protection as well as a unique circuit breaker and switch arrangement which can be used in either a double pole circuit or a pair of single pole circuits. The transfer switch includes a main double pole circuit breaker downstream of the power inlet, for providing double pole overcurrent protection for all circuits interconnected with the

10 transfer switch. The transfer switch also includes a series of single pole switches and associated single pole circuit breakers, for controlling the supply of power to single pole electrical circuits. At least one additional pair of single pole switches can either be tied together for use as a double pole switch or used as two separate single pole switches.

When the pair of switches are tied together for use as a double pole switch, a double

15 pole connector member is employed in a circuit breaker mounting arrangement which is normally adapted to receive two single pole circuit breakers. Overcurrent protection is provided either by the main double pole circuit breaker, or by a branch double pole circuit breaker located between the main double pole circuit breaker and the pair of switches. When the switches are to be used separately, a pair of single pole circuit

20 breakers are engaged with the circuit breaker mounting arrangement in place of the double pole connector member, to provide individual single pole circuit protection.